

ABSTRACT OF DISCLOSURE

Pulp fibers can be treated with water insoluble chemical additives resulting in a minimal amount of unretained water insoluble chemical additives present after redispersing the treated pulp fibers in the process water. One embodiment of the present invention is a method for preparing chemically treated pulp fiber. A fiber slurry is created comprising
5 process water and pulp fibers. The fiber slurry is transported to a web-forming apparatus of a pulp sheet machine thereby forming a wet fibrous web. The wet fibrous web is dried to a predetermined consistency thereby forming a dried fibrous web. The dried fibrous web is treated with a water insoluble chemical additive thereby forming a chemically treated dried fibrous web containing chemically treated pulp fibers. The chemically treated pulp fibers
10 have an improved level of chemical retention of the water insoluble chemical additive and retain from between about 25 to about 100 percent of the applied amount of the water insoluble chemical additive when the chemically treated pulp fibers are redispersed in water.

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